

Electromagnetic and Ionizing radiation
Exam 14 - Creation Time and Rainbows

Name: _____

Date: _____

Raw Score: _____

Percentage Score: _____ %

Proctor for this Examinaton: _____ Form: _____

Choose the best answer

- 1) According to Malbim, the rainbow may symbolize...
 - A) God's light manifested in the righteous as their good deeds
 - B) that rainfall will always be heavy if you keep the commandments
 - C) That all are created equally in the eyes of God
 - D) None of the above

- 2) What verse indicates that God has a perspective of time different from humanity?
 - A) אסף ימים בענין כיום אתמול - A thousand years in Your sight are as a day that passes
 - B) איך ידע אדם שנות בריוחך - How can man know the years of your creation
 - C) בינות שנות דור ודור - Understand the years of the generations
 - D) None of the above

- 3) How does Sforno define the covenant of the rainbow?
 - A) A rainbow indicates that it is God who controls rainfall.
 - B) A full arc rainbow indicates God's pleasure
 - C) The inverse order of colors in the secondary of a double rainbow indicates God's displeasure
 - D) None of the above

- 4) According to Malbim, God's post flood covenant provided that...
 - A) Evil activity will yield infrequent rainfall
 - B) righteous activity will produce frequent light rain showers adequate to nourish crops
 - C) During eras of evil activity, rainfall will be similar to pre-flood rainfall, but not as devastating
 - D) all the above answers are correct

- 5) According to Malbim...
 - A) The righteous represent thick opaque clouds filled with water ready to nourish the land
 - B) The righteous represent the light mist after a rain because they are very spiritual
 - C) The evil represent a light mist devoid of blessing for the land
 - D) None of the above

- 6) Concerning viewing pre-flood rainbows, Malbim feels
- A) were normal occurrences that were not significant
 - B) was impossible as God had not yet created the rainbow
 - C) this was impossible to due thick cloud cover
 - D) none of the above
- 7) According to Sforno to whom was the sign of the rainbow primarily directed?
- A) to the righteous so that they urge the evil to repent
 - B) to the children so that they tell their parents who will in turn repent.
 - C) to the evil reminding them that they will be punished
 - D) to nobody in particular
- 8) The verse "These are the generations of the heavens and the earth when they were created; in the day that the Eternal God made earth and heavens" (Gen. 2:4) may demonstrate that our perception of billions of years is not exclusive of a 24 hour day perception. How does the verse do this?
- A) Earth and heavens are compared to generations
 - B) The verse juxtaposes "generations" and "day".
 - C) First it says "heavens and earth" then it says "earth and heavens" and finishes by saying 'day'.
 - D) All of the above
- 9) According to Nachmanides (Ramban) biblical time starts....
- A) with the creation of the Sun
 - B) with the creation of man
 - C) with one photon the size of a mustard seed
 - D) with the appearance of matter
- 10) Rav Kook's pre and post flood distinction is:
- A) Pre-flood, God had not yet created light refraction. Post flood, He did
 - B) Pre-flood, one huge cloud. Post flood, frequent light showers.
 - C) Pre-flood, people were supposed to serve God through thought. Post flood, through action
 - D) Pre-flood, the refractive index of water equalled that of air. Post flood, the indices were as they are today.
- 11) What do Malbim and Sir Isaac Newton have in common?
- A) They both saw symbolism in Noah's rainbow
 - B) The number seven. Malbim talks about God's characteristics and Newton talks about the colors of a rainbow.
 - C) The same birthday
 - D) Nothing
- 12) When studying the brief biblical age of the universe, what error is commonly made?
- A) No recorded errors are known ever to have been made in calculating the biblical age of the universe.
 - B) not choosing the proper location of perception
 - C) not choosing the proper reference frame for calculation
 - D) not choosing the proper event from which to calculate
- 13) According to Malbim a major difference of pre vs. post flood rainfall was...
- A) the density of water
 - B) its frequency
 - C) There was no significant difference
 - D) the refractive index of pre-flood water was the same as air

- 14) "A word well spoken is like apples of gold in bowls of silver" (Prov 25:11) indicate that:
- A) A scientist must choose her words carefully when making a presentation
 - B) The Torah reveals secrets to those who scrutinize it closely
 - C) Torah wisdom is a mixture of gold and silver
 - D) discovery of unimportant information inevitably leads to the discovery of important information
- 15) Ramban (Nachmanides) preferred
- A) The Greek explanation of how rainbows work
 - B) to believe that it was very cloudy before he flood
 - C) to believe that rainbows did not exist before the flood
 - D) all of the above
- 16) The unlikelihood of indiscriminate nature change prompted Kli Yakar to write that
- A) one huge cloud covered the Earth before the flood.
 - B) the rainbows were ignored during the lifetimes of great sages.
 - C) It never rained before the flood
 - D) all of the above
- 17) What Rabbinic tradition may indicate that creation followed a time scheme from a perspective different from what we are accustomed?
- A) The Midrash that states that God added 4 hours to the sixth day in order to finish his work
 - B) The Talmudic statement - "Creation was different"
 - C) Rosh Hashannah is the anniversary of Adam's creation
 - D) None of the above
- 18) Both the Talmud and Nachmanides (Ramban) say that 'Bohu' is:
- A) the spirit of God
 - B) the building blocks of matter
 - C) all biological life forms
 - D) The Milky way galaxy
- 19) Which of the following is the strongest indicator that , according to the Torah, time perception was not Earth based during the days of creation is:
- A) According to the Torah, there was no Earth for the first two days.
 - B) There was no Sun until day four
 - C) Adam was not created until the end of the sixth day.
 - D) All of the above equally demonstrate the same thing.
- 20) Nachmanides (Ramban) derives his belief about the pre-flood existence of rainbows from the verse:
- A) "I placed" - נָחֵיתִי
 - B) " I shall see it" - וּרְאִיתִיהָ
 - C) Both of the above
 - D) None of the above